ASSIGNMENT 6

Textbook Assignment: "Aeronautical Equipment Service Record (AESR)" and "Aircraft Engine Management System (AEMS)." Pages 8-1 through 9-12; and "Aircraft Logbooks" and "Aircraft Inventory Reporting Program (AIRS)." Pages 6-1 through 7-33.

6-1. The Aeronautical Equipment Service Record (AESR) is a loose-leaf log contained within a separate cover for insertion into the logbook or a separate binder. What type of component or equipment records is maintained in the AESR?

1. Components that are rigidly fixed to the aircraft
2. Ground support equipment used to support flight operations
3. support equipment used to secure aircraft after flight operations such as shrouds, covers, and wing locks
4. Aeronautical equipment that is an integral part of the aircraft

6-2. What activity is responsible for initiating an AESR?

1. The activity originally accepting the equipment
2. The manufacturer of the equipment
3. The cognizant field activity (CFA)
4. The activity transferring the equipment

6-3. Which of the following equipment requires an AESR?

1. B-4 maintenance stand
2. Auxiliary power unit (APU)
3. Aircraft horizontal stabilizer
4. Liquid oxygen (LOX) converter

6-4. What items of information should be recorded on each record in the AESR?

1. The bureau number (BUNO) of the aircraft the equipment is installed on
2. Identification data and serial number of the equipment
3. The signature of the person making an entry on the applicable record
4. The date the record was initiated and placed in the AESR

6-5. Which of the following records should be stored in the manila envelope attached to the back inside cover of the AESR?

1. Equipment History Records (EHRs)
2. Assembly Service Records (ASRs)
3. Engine setup and test records
4. Modular Service Records (MSRs)

6-6. Many records are common to both the aircraft logbook and the AESR. Which one of the following records is unique to the AESR?

1. Repair/Rework record
2. Technical Directives record
3. Equipment Operating Record
4. Inspection Record

6-7. Entries on the Equipment Operating Record are required upon equipment transfer. At what other frequency are entries required on this record?

1. Weekly
2. Monthly
3. Biannually
4. Annually

6-8. Overtemp and hot start are two examples of what type inspection?

1. Phase
2. Conditional
3. Special
4. Daily

6-9. An engine has just been removed from an aircraft for transfer. On what record, if any, in the AESR should the transfer inspection be recorded?

1. The special inspection record
2. The phase inspection record
3. None

6-10. A minimum number of how many years of data should be maintained on the conditional inspection record?

1. 1 year
2. 2 years
3. 3 years
4. 4 years

6-11. What procedure is used to record technical directives (TDs) that affect a component that has an MSR, EHR, ASR, or SRC card?

1. The TD is recorded on the MSR, EHR, ASR, or SRC card only if the TD is a revision
2. The TD is recorded on the MSR, EHR, ASR, or SRC card only if the applicable TD affects integral components of the equip
3. The TD is recorded on the MSR, EHR, ASR, or SRC card, along with a notation to see the applicable TD page
4. The TD identification is entered on the applicable TD page, and a notation is made in the Title/Remarks column to see the applicable MSR, EHR, ASR, or SRC card

6-12. The Miscellaneous/History record records pertinent information for which no other place has been designated. Which of the following types of information is recorded on this record?

1. Installation of an SRC card components
2. Corrosion control treatment performed
3. Navy Oil Analysis Program (NOAP) information
4. Removal and replacement of aircraft mainmounts (tires)

6-13. An aircraft is in the process or being preserved. The preservation requirement does not apply to the installed engine. What type entry, if any, is required on the engine Preservation/Depreservation record of the AESR?

1. Enter “no preservation entry required for engine, aircraft preservation only”
2. Enter the date the aircraft was preserved and annotate “aircraft only” in the remarks section
3. Enter the same date the aircraft was preserved
4. None

6-14. Which of the following AESR records is used to record data on modular engines?

1. SRC
2. ASR
3. EHR
4. MSR

6-15. Which of the following procedures should be used to make entries on the MSR?

1. Entries should be printed in pencil
2. Designated entries should be made in blue ink
3. Entries should be printed in black ink or typewritten only
4. Entries should be typewritten or printed in black ink except temporary entries, which should be made in pencil

6-16. What system is used to track operating time cycles or counts on selected life-limited engine components?

1. ACOMTRAK
2. ECOMTRAK
3. ECAMS
4. SEATS

6-17. What reporting system provides data on inventory management and reporting of aircraft engines, propulsion systems, and modules (EPSM)?

1. AIRS
2. AEMS
3. ICRL
4. IMRL

6-18 What instruction prescribes reporting procedures for the aircraft engine management system (AEMS)?

1. NAVAIRINST 13700.1
2. NAVAIRINST 13700.9
3. NAVAIRINST 13700.11
4. NAVAIRINST 13700.15

6-19. What information does an AEMS status code provide?

1. Type airframe in which an engine is installed and the length of time it is expected to be installed
2. Type airframe from which an engine was removed and the length of time it is expected to be non-ready for issue (non-RFI)
3. An engine's condition, its stage of progress in the maintenance cycle, or the purpose for which it is being used
4. Type engine and the length of time it will be out of material condition reporting status (MCRS)

6-20. What AEMS status code describes an installed engine in an operating aircraft?

1. 11
2. 21
3. 24
4. 33

6-21. What AEMS status code identifies an engine that has been stricken?

1. 41
2. 48
3. 49
4. 90

6-22. Which of the following relationships exists concerning the use of AEMS status codes and STAR codes?

1. Status codes are often used without STAR codes
2. STAR codes are often used without status codes
3. Status codes amplify or qualify STAR codes
4. STAR codes are always used without status codes

6-23. What report does a reporting custodian use to inform a controlling custodian of the use, status change, or custody change of an aircraft engine?

1. OPNAV XRAY Report
2. Engine Transaction Report (ETR)
3. Aircraft Accounting Audit Report (AAAR)
4. Support Equipment Transaction Report (SETR)

6-24. What is the submission deadline for ETRs?

1. 2400 hours on the date of action
2. 2400 hours on the first working day following the date of action
3. 5 working days following the date of action
4. 3 working days following the date of action

6-25. Reporting custodians should submit an ETR for which of the following situations?

1. An aircraft grounded due to an engine discrepancy that requires troubleshooting
2. An engine is within 1 week of its scheduled phase inspection induction date
3. An engine must be removed and transferred for repair as unserviceable
4. An aircraft is due a phase A inspection

6-26. Which of the following is an example of an ETR serial number?

1. 1
2. 001
3. 001-96
4. 1-96

IN ANSWERING QUESTION 6-27, REFER TO FIGURE 9-2 IN THE TEXTBOOK.

6-27. Data elements 0 through 6 and 19 are required on all ETRs. What additional data elements are required for status/STAR code 11-90?

1. 12, 13, 14 only
2. 9, 12, 13, 14 only
3. 9, 10, 12, 13, 14 only
4. 7, 8, 9, 10, 12, 13, 14

6-28. An aircraft has accumulated 1235.7 flight hours. When these hours are reported in item 9 of an ETR, how should they appear?

1. 1235
2. 1235.7
3. 1236
4. 01235

6-29. Completed ETRs should be maintained on file for what minimum time?

1. 6 months
2. 12 months
3. 24 months
4. 36 months

6-30. What card provides a standardized record for local management of aircraft engines?

1. Aircraft record A card
2. Engine record card
3. SRC card
4. Meter card

6-31. Your squadron has custody of 5 dual-engine aircraft. What number of active aircraft engine record cards should be on file?

1. 20
2. 15
3. 10
4. 5

6-32. What factor determines the time frames for which an End-of-Quarter (EOQ) report should be submitted?

1. Type of aircraft in which an engine is installed
2. Type of engine being reported
3. Type of squadron submitting the report
4. Type of aircraft the activity submitting the report operates

6-33. Which of the following is a procedure you should follow concerning submission of an EOQ?

1. Installed engines in your activity's reporting custody should be included in your report regardless of the aircraft's physical location
2. An engine installed in an aircraft in your activity that is undergoing rework should be excluded from your report
3. Uninstalled engines removed from your activity's aircraft and undergoing repair at an AIMD should be included in your report
4. Defective uninstalled engines at your activity awaiting shipment should be included in your report

6-34. What is the status and STAR code for EOQ reports?

1. 11-90
2. 11-70
3. 11-60
4. 11-50

6-35. What is the submission deadline for EOQ reports?

1. 2400 hours on the third working day following the end of the reporting month
2. 2400 hours on the first working day following the end of the reporting month
3. 5 working days following the end of the reporting month
4. 3 working days following the end of the reporting month

6-36. What two modes are available to submit EOQ reports submitted?

1. Naval letter and message
2. Naval letter and E-mail
3. Naval message and AEMS on-line computer
4. Overnight mail and AEMS on line computer

QUESTIONS 6-37 THROUGH 6-71 IN THIS ASSIGNMENT (ASSIGNMENT 6) BEGIN A REVIEW OF CHAPTERS 6, 7, 8, AND 9 OF YOUR TEXTBOOK. IN ANSWERING THESE QUESTIONS, REFER TO THE SITUATION DESCRIBED IN THE FIGURES IN THIS ASSIGNMENT, THE APPROPRIATE CHAPTER IN THE TEXTBOOK, AND TO REFERENCES DISCUSSED IN THE TEXTBOOK. QUESTIONS 6-37 THROUGH 6-71 DO NOT FOLLOW TEXTBOOK ORDER.

VS-41, stationed at NAS West Coast, is transferring aircraft bureau number (BUNO) 158814 (2126.0 flight hours) to your squadron, VS-51, stationed at NAS East Coast, in accordance with COMNAVAIRLANT aircraft transfer order (ATO) 127-96. Aircraft 158814 has engine serial numbers 323543 (1212.0 hours) and 323296 (1015.5 hours) installed. BUNO 158814, in a full combat ready status, was flown by ferry pilot (not attached to either VS-41 or VS-51) to your activity. COMNAVAIRLANT is VS-51's controlling custodian, and COMSEACONWINGSLANT is the supporting wing. You must take the administrative steps involved in acceptance of this aircraft.

Figure 6-A

IN ANSWERING QUESTIONS 6-37 THROUGH 6-60, REFER TO FIGURE 6-A, THE TEXTBOOK, AND REFERENCES DISCUSSED IN THE TEXTBOOK.

6-37. Upon screening of BUNO 158814's aircraft logbook during acceptance, you find an obvious mistake in record keeping in part IV, Monthly Data section. What course of action should you take?

1. Make a Miscellaneous/History record entry describing the error
2. Defer action for SDLM's Monthly Flight Summary record consolidation
3. Correct the mistake and initial or sign off the correction
4. Request that VS-41 and COMSEACONWINGSLANT indicate what corrective action to take

An aircraft logbook entry should be made stating that flight hours in period and flight hours since new have been verified to be correct.

Figure 6-B

IN ANSWERING QUESTISONS 6-38 AND 6-39, REFER TO FIGURES 6-A AND 6-B.

6-38. To what aircraft logbook record or card does this entry refer?

1. Monthly Flight Summary
2. Aircraft Record "A" Card
3. AESR cover
4. Aircraft Engine Record Card

6-39. On what logbook record should you make this entry?

1. Monthly Flight Summary
2. Miscellaneous/History
3. Equipment Operating Record
4. Inspection Record

A phase B inspection on BUNO 158814 will be performed early on the aircraft and both engines.

Figure 6-C

IN ANSWERING QUESTIONS 6-40 THROUGH 6-42, REFER TO FIGURES 6-A AND 6-C.

6-40. When completed, on what records should you log this phase inspection?

1. Aircraft logbook phase inspection and monthly flight summary records
2. Aircraft logbook inspection record and both AESR engine inspection records
3. Both AESR engine inspection records
4. Both AESR engine inspection records and both AESR equipment operating records

6-41. Due to the early performance of the phase B inspection, the next phase inspection induction hours will be adjusted. On what record should you log this adjustment?

1. Aircraft Inspection Record only
2. Aircraft Miscellaneous/History record only
3. AESR Inspection Record only
4. Aircraft Miscellaneous/History record and both AESR Miscellaneous/History record

6-42. The phase B inspection on engine serial number 323296 has been completed. What entry should you make in the "Type or Description of Inspection" block of engine serial number 323296's inspection record?

1. Phase B
2. Phase B/1015
3. Phase B/1015.5
4. Phase B/1016.0

During the phase B inspection, a local form listing all components having an EHR, MSR, or SRC card and their serial numbers should be prepared.

Figure 6-D

IN ANSWERING QUESTIONS 6-43 AND 6-44, REFER TO FIGURE 6-D.

6-43. For what purpose should you use this form?

1. To identify those components that are to be removed for corrosion treatment and prevention and sent to AIMD
2. To identify those components that will be removed and replaced during the phase inspection due to over usage
3. To verify that components listed on the local form match those installed items that are recorded in the aircraft logbook or AESR
4. To verify the component's manufacturer and national stock number (NSN)

6-44. In what location or on what record in the aircraft logbook or AESR should you find a list of components that require the record or card?

1. Inventory Record
2. Inside the manila folder pasted to the back cover of the logbook binder
3. Miscellaneous/History record
4. In the aircraft general files

An OPNAV XRAY report, Engine Transaction Report, Aircraft Record A Card, and an Aircraft Engine Record card must be initiated to complete administrative steps in acceptance of BUNO 158814. The OPNAV XRAY report will be your activity's 21 st OPNAV XRAY report of the year.

Figure 6-E

IN ANSWERING QUESTIONS 6-45 THROUGH 6-60, REFER TO FIGURES 6-A AND 6-E, THE TEXTBOOK, AND REFERENCES USED IN THE TEXTBOOK.

6-45. Receipt of the aircraft must be reported to the controlling custodians for inventory and custody change updates. By what means should you report the receipt of this aircraft?

1. Engine transaction report
2. Aircraft Accounting Audit Report
3. OPNAV XRAY report
4. By E-mail

6-46. What should be the SUBJ line of your OPNAV XRAY report?

1. XRAY PAC 021 VS-41 OPNAV 5442-1
2. VS-51 XRAY OPNAV 5442-1 PAC
3. LANT 021 VS-51 XRAY OPNAV 5442-1
4. LANT XRAY VS-51021 OPNAV 5442-1

6-47. What status code should you use in your OPNAV XRAY report?

1. A10
2. BY1
3. C10
4. D10

6-48. Item P, is required on your OPNAV XRAY report. What information should you enter in item P?

1. LANT Navy/10
2. PAC Navy/20
3. VS-51/10
4. VS-41/20

6-49. What location should you indicate in item V of your OPNAV XRAY report?

1. The location of the activity transferring the aircraft
2. The physical location of the activity of the ferry pilots who flew the aircraft
3. The physical location of the aircraft
4. The location of the aircraft controlling custodian

6-50. You must initiate a new aircraft record "A" card. From what aircraft logbook record should you find information about the current aircraft service period?

1. Miscellaneous/History
2. Inspection Record
3. Monthly Flight Summary
4. Structural Life Limits

6-51. The OPNAV XRAY report reporting receipt of BUNO 158814 should be recorded on your newly initiated aircraft record "A" card. What specific information should you enter in the REASON/AUTHORITY block of the aircraft record "A" card?

1. BUNO 158814 received from VS-41 in an operating status
2. Aircraft 158814 received in an full mission capable (FMC) status from VS-41
3. PAC ATO 127-96
4. LANT ATO 127-96

IN ANSWERING QUESTION 6-52, REFER TO FIGURE 7-4 IN CHAPTER 6 OF THE TEXTBOOK.

6-52. What source should you use to complete "OPNAV XRAY Report Transaction" section of the Aircraft Record "A" card?

1. The aircraft logbook Miscellaneous History record
2. The ETR message
3. The OPNAV XRAY message
4. The aircraft discrepancy book

6-53. Receipt of the engines must also be reported for inventory and custody change purposes. What method should you use to report receipt of the two installed operating engines?

1. Engine transaction report
2. Aircraft accounting audit report
3. OPNAV XRAY report
4. Broad arrow report

6-54. What status and STAR code combination should you use?

1. 11-90
2. 11-64
3. 11-61
4. 11-60

6-55. In addition to data elements 0 through 6, and 19 (Remarks), what other data elements should you provide on your ETR?

1. 9, 13, 14 only
2. 9, 12, 13, 14 only
3. 7, 9, 10, 12, 13, 14 only
4. 7, 8, 9, 10, 12, 13, 14

6-56. What total number of transaction serial numbers should you use on your ETR to report the receipt of BUNO 158814 with installed engines?

1. One
2. Two
3. Three
4. Four

6-57. Item 9, flight hours since new, is a required data element. What information should you place in item 9 on your ETR for engine serial number 323543?

1. 1212
2. 12120
3. 1212.0
4. 01212

6-58. On which of the following cards should you log the submission of your ETR?

1. SRC card
2. Aircraft record "A" card
3. Aircraft engine record card
4. Aircraft accounting audit report card

6-59. Your ETR is complete and ready for submission. You do not have access to an AEMS on-line computer system. What alternative method should you use to transmit your ETR?

1. Fax
2. E-mail
3. Naval message
4. Naval letter

6-60. The acceptance inspection in BUNO 158814 is complete. On what aircraft logbook page should you log this acceptance inspection?

1. Periodic inspection record
2. Conditional inspection record
3. Special inspection record
4. Calendar inspection record

6-61. You must make an entry on the Miscellaneous/History record in the AESR concerning operating hours. To what record does this entry refer?

1. Equipment Operating Record
2. Module Service Record
3. Assembly Service Record
4. Monthly Flight Summary record

After submission of your last ETR, you discover an error in a previously submitted report.

Figure 6-F

IN ANSWERING QUESTIONS 6-62 AND 6-63, REFER TO FIGURE 6-F, THE TEXTBOOK, AND REFERENCES USED IN THE TEXTBOOK.

6-62 Which of the following actions should you take on the erroneous ETR?

1. Wait until official notification is received from the controlling custodian
2. Call or fax the correct information to the controlling custodian
3. Wait and include the corrected information on the next ETR submitted
4. Draft an ETR correction report

6-63 Which of the following procedures should you use when submitting ETR correction reports?

1. Use the same ETR number as the ETR being corrected
2. Include only the corrected information
3. Delay submission of ETR correction report until transmitting the next ETR report
4. Include the word “CORRECT” in the first transaction on the correction report